

CLAIMS

1. An ironing device, to be applied to ironing machines for ironing uncreased trousers, said
5 ironing device including ironing means for ironing the bottom portions of said trousers, and comprising a supporting framework supporting at least an ironing head including supporting means for supporting said trousers at a pelvis level, and gripping means for
10 gripping the bottom portions of said trousers, characterized in that said ironing device comprises a steaming drum, coupled to a heating circuit for heating said gripping means and to a steaming duct coupled to said gripping means.

15 2. An ironing device, according to claim 1, characterized in that said device comprises a steam manifold for delivery overheated steam, said steam manifold communicating with said steaming drum and gripping means.

20 3. An ironing device, according to claim 2, characterized in that said ironing device comprises, in said delivery manifold, a duct for conveying therethrough steam for heating said gripping means and a duct for conveying therethrough steam to be
25 used for steaming operations.

4. An ironing device, according to claim 1, characterized in that said gripping means comprise a pressing element including a duct for recirculating heating steam and a steam outlet duct.

30 5. An ironing device, according to claim 4, characterized in that said steam outlet duct comprises a steam overheating circuit.

6. An ironing device, according to claim 4, characterized in that said steaming duct comprises a

plurality of steaming outlet holes.

7. An ironing device, according to claim 1, characterized in that said device is applied to a machine for ironing uncreased trousers with iron
5 means for ironing the bottom portions of the trousers, and being characterized in that said device comprises a supporting framework which comprises a single ironing head or two opposite ironing heads, or four or more ironing heads, which are evenly
10 circumferentially distributed and are continuously movable.

8. An ironing device, according to claim 7, characterized in that at each ironing head are provided trousers supporting means for supporting
15 said trousers at their pelvis region.

9. An ironing device, according to claim 1, characterized in that said steaming drum communicates with a steam inlet or supplying duct.

10. An ironing device, according to claim
20 9, characterized in that said steaming drum comprises a top portion including a plurality of solenoid valves, a number of said solenoid valves corresponding to a number of said ironing heads provided in said ironing machine.

25 11. An ironing device, according to claim 10, characterized in that said solenoid valves control a steaming duct.

12. An ironing device, according to claim
30 10, characterized in that said steaming drum comprises a steaming drum bottom coupled to a heating circuit including a steam outlet duct, provided for supplying steam to a delivery manifold.

13. An ironing device, according to claim 12, characterized in that said overheated steam

delivery manifold conveys overheated steam to said gripping means and, more specifically, to a right and left pressing means of said gripping means.

14. An ironing device, according to claim 5 13, characterized in that in said circuit, said overheated steam is circulated under pressure inside one of said pressing elements and then exiting said pressing element, and returns to said manifold to be conveyed therefrom to the other pressing element, 10 where said steam is circulated to heat it and then being returned to said manifold.

15. An ironing device, according to claim 14, characterized in that said from said manifold, said steam is conveyed to a condensate discharging 15 duct, for discharging condensate to the outside environment.

16. An ironing device, according to claim 14, characterized in that said manifold comprises an inner steaming duct conveying said steam to said two 20 pressing elements.

17. An ironing device, according to claim 16, characterized in that said two pressing elements comprise an inner overheating circuit for overheating said steam to convey it to the steam outlet holes 25 arranged on the longitudinal extension of the pressing elements.

18. An ironing device, according to claim 17, characterized in that each pressing element is held in a heated condition by causing said overheated 30 steam to pass through overheating duct supplied with steam at a pressure from 4 to 6 atm, and a temperature from 143°C to 148°C.

19. An ironing device, according to claim 18, characterized in that said steam is supplied

through said steaming duct to said pressing elements and is overheated upon an expansion thereof.

20. An ironing device, according to claim 1, characterized in that in said ironing device, said
5 steam is caused to impinge against an article being ironed at a high temperature, thereby eliminating condensate materials therefrom.